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**Solar-Geophysical Data Number 498  
February 1986. Part 2 (Comprehensive  
Reports). Data for August 1985, and  
Miscellanea**

**(U.S.) National Geophysical Data Center  
Boulder, CO**

**Prepared for**

**National Aeronautics and Space Administration  
Washington, DC**

**Feb 86**

**U.S. Department of Commerce  
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FEBRUARY 1986 NUMBER 498 -- Part II

# Solar-Geophysical Data comprehensive reports



Data for August 1985, and Miscellanea

Explanation of Data Reports Issued as Number 489 (Supplement) May 1985



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## Solar - Geophysical Data

NO. 498 FEBRUARY 1986

Part II (Comprehensive Reports)

DATA FOR  
AUGUST 1985

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Editor: Helen E. Coffey

Chief: Joe H. Allen  
Solar-Terrestrial Physics Division

Staff: John A. McKinnon  
Daniel C. Wilkinson  
Viola W. Miller  
Carol Weathers  
Charles T. Shanks

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Aug 85

# M - ALPHA SOLAR FLARES

AUGUST 1985

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 <sup>5</sup> Disk)	Corr (Sq Deg)	
0001	CULG	01	0428	0452	0533U	N06	E14	4680	08	2.2	65U	SF			C		100	1.0	U
0002	CULG	01	0631	0639	0709	N06	E14	4680	08	2.3	38	SF			C		60	.6	E
		01	2128		2132	No Flare Patrol													
0003	CULG	02	2203	2208	2233	N06	W12	4680	08	2.0	30	SF			C		30	.3	D
		05	0113		0124	No Flare Patrol													
		05	0128		0136	No Flare Patrol													
		05	0252		0257	No Flare Patrol													
		05	2252		2257	No Flare Patrol													
		05	2307		2309	No Flare Patrol													
0004	HTPR	06	0745	0748	0752	S14	W42	4682	08	3.1	7	SF			C	0748	10	.1	
0005	HTPR	06	1017	1019	1024	N09	E90		08	13.2	7	SN			C	1019	40		
0006		06	15013	1505	1512	S16	W46	4682	08	3.1	11	SF					26	.4	EF
	HTPR	06	1501	1505	1514	S15	W47	4682	08	3.1	13	SF			C	1505	30	.4	E
	RAMY	06	1504	1505	1511	S16	W45	4682	08	3.2	7	SF	3		C		23		F
0007	HTPR	06	1621	1623	1625	S15	W47	4682	08	3.1	4	SN			C	1623	20	.3	
		06	2052		2156	No Flare Patrol													
0008	PALE	06	2110E	2110U	2114D	S14	W47	4682	08	3.3	40	SF	2		C		20		FH
0009	LEAR	07	0310	0311	0317	S12	W53	4682	08	3.1	7	SF	3		C		43		
0010	HTPR	07	0912	0916	0920	N03	W67	4680	08	2.4	8	SF			C	0916	20	.5	
0011	HTPR	07	0930	0932	0937	S14	W56	4682	08	3.2	7	SF			C	0932	10	.2	
0012	HTPR	07	1124	1136	1151	S12	W57	4682	08	3.2	27	SF			C	1136	10	.2	
0013	HTPR	07	1159	1202	1217	S14	W57	4682	08	3.2	18	SF			C	1202	20	.3	
0014		07	13032	13062	1311	S13	W59	4682	08	3.1	8	SF					23	.4	E
	HTPR	07	1303	1308	1310	S14	W58	4682	08	3.2	7	SN			C	1308	20	.4	E
	HOLL	07	1305	1306	1308	S11	W60	4682	08	3.0	3	SF	3		C		15		
	RAMY	07	1305	1307	1316	S14	W58	4682	08	3.2	11	SF	3		C		34		
0015	HTPR	07	1307	1309	1311	N01	E88	4687	08	14.1	4	SN			C	1309	10		
0016		07	14512	14551	1510	S16	W59	4682	08	3.1	19	SN					30	1.0	E
	HTPR	07	1451	1455	1515	S15	W60	4682	08	3.1	24	SN			C	1455	40	1.0	E
	RAMY	07	1453	1456	1505	S16	W58	4682	08	3.2	12	SF	3		C		20		
0017	HOLL	07	1818	1823	1857	S14	W61	4682	08	3.1	39	SF	3		C		60		F
		07	2303		2317	No Flare Patrol													
0018	ABST	08	0401E	0410U	0435D	N10	E82	4688	08	14.3	34D	SF			P	0410	70		DT
0019	ABST	08	0454	0456	0510	S14	W70	4682	08	2.9	16	1F			C	0456	96		D
0020	HTPR	08	0617	0623	0635	S15	W70	4682	08	3.0	18	SF			C	0623	20	.5	
0021		08	07212	07232	0728	S17	W70	4682	08	3.0	7	SF					48	.2	D
	ABST	08	0721	0723	0727	S19	W70	4682	08	3.0	6	SF			C	0723	87		D
	HTPR	08	0723	0725	0730	S15	W70	4682	08	3.0	7	SF			C	0725	10	.2	
0022		08	07422	07443	0800	S14	W70	4682	08	3.0	18	SN	C 5.4				64	.9	DEF
	ABST	08	0742	0744	0758	S17	W70	4682	08	3.0	16	1N			C	0744	96		D
	HTPR	08	0744	0746	0801	S15	W71	4682	08	2.9	17	SB			C	0746	40	.9	E
	LEAR	08	0744	0747	0800	S11	W69	4682	08	3.1	16	SN	C 5.4	3	C		56		F

## H - ALPHA SOLAR FLARES

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Aug 85

AUGUST 1985

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Time (UT)	Area Measurement		Remarks
																	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
0023	HTPR	08	1018	1021	1028	S15	W69	4682	08	3.2	10	SN			C	1021	20	.5	
0024	HTPR	08	1242	1244	1248	S15	W70	4682	08	3.2	6	SN			C	1244	20	.5	
0025		09	0754	0742*	0808	N01	E51	4687	08	13.1	14	SF					50	.8	DEHI
	KHAR	09	0735E	0742	0757D	S02	E50	4687	08	13.0	22D	SF			V	0742			EH
	ABST	09	0754	0759	0801D	N03	E52	4687	08	13.2	7D	SF			P	0759	79	1.3	DI
	HTPR	09	0755	0801	0808	N02	E50	4687	08	13.1	13	SF			C	0801	20	.3	E
0026	KHAR	09	0751E		0755D	N11	E62	4688	08	14.0	4D	SF			V	0752	30		D
0027		09	0754	0758	0805	S13	W88	4682	08	2.7	11	SN					30		D
	HTPR	09	0754	0759	0805	S14	W90	4682	08	2.5	11	SF			C	0759	20		
	KHAR	09	0756E	0758	0808D	S12	W86	4682	08	2.8	12D	SN			V	0758	40		D
0028	KHAR	09	0825E	0828	0833D	S12	W90	4682	08	2.6	8D	SN			V	0828			DH
0029		09	0834	0838	0850	N10	E61	4688	08	13.9	16	SN					10	.2	D
	HTPR	09	0834	0838	0850	N10	E60	4688	08	13.9	16	SN			C	0838	10	.2	
	KHAR	09	0838E	0842	0853D	N10	E62	4688	08	14.0	15D	SF			V	0842			D
0030	KHAR	09	0842E		0904D	S02	E50	4687	08	13.1	22D	SN			V	0854			E
0031		09	1015E	1016*	1035D	N14	W89		08	2.7	20D	SN							DH
	KHAR	09	1015E	1016	1023D	N14	W90		08	2.6	8D	SN			V	1016			DH
	KHAR	09	1030E	1031	1035D	N15	W88		08	2.8	5D	SN			V	1031			DH
0032	KHAR	10	0638E		0645D	S02	E37	4687	08	13.0	7D	SF			V	0638			D
0033	KHAR	10	0640E		0652D	N11	E49	4688	08	14.0	12D	SF			V	0641			DH
0034	KHAR	10	0802E		0815D	N16	W90		08	3.5	13D	SF			V	0802			DH
0035	KHAR	10	0810E	0816	0830D	S02	E36	4687	08	13.0	20D	SF			V	0816			DH
0036	KHAR	10	1026E	1029	1036D	S02	E39	4687	08	13.3	10D	SF			V	1029	30	.4	D
0037	KHAR	10	1042E	1043	1055D	N11	E48	4688	08	14.0	13D	SF			V	1043			D
		11	0254		0255	No Flare Patrol													
0038	WEND	11	1600	1602	1618	N11	E29	4688	08	13.8	18	SF			C	1602	68	.8	
0039	CULG	12	0649	0653	0701	S01	E11	4687	08	13.1	12	SN			C		20	.2	D
0040	KHAR	12	0933E	0933	0945D	N09	E22	4688	08	14.0	12D	SF			V	0933			DH
0041	TACH	13	0313E	0313	0325D	N00	W02		08	13.0	12D	IN			V	0313	309	3.2	E
0042	HOLL	13	1954	1955	2007	N08	W02		08	13.7	13	SF	3		C		26		F
0043	CULG	14	0241	0419	0519	S11	W51		08	10.3	158	SF			C		60	1.0	
		14	2154		2159	No Flare Patrol													
		14	2211		2248	No Flare Patrol													
		14	2252		2311	No Flare Patrol													
0044	HTPR	16	0856	0858	0915	S01	W45		08	13.0	19	SF			C	0858	10	.1	
		17	2039		2040	No Flare Patrol													
		18	1519		1621	No Flare Patrol													
		18	1829		1837	No Flare Patrol													
		19	0106		0109	No Flare Patrol													
0045	TACH	20	0320E	0356	0435D	S19	W47	4690	08	16.5	75D	IF			C	0356	194	2.5	EG
0046	HTPR	20	1415	1423	1426	S02	E63		08	25.3	11	SF			C	1423	10	.2	

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# H - ALPHA SOLAR FLARES

AUGUST 1985

Grp #	Sta	Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	Region	CMP Mo	Day	Dur (Min)	Imp Opt	Xray	See	Obs Type	Area Measurement			Remarks
																Time (UT)	Apparent (10 <sup>-6</sup> Disk)	Corr (Sq Deg)	
		20	2023		2032			No Flare Patrol											
0047	HTPR	21	0913	0916	0921	S20	W65	4690	08	16.4	8	SF			C	0916	20	.4	
		21	2127		2226			No Flare Patrol											
		22	1843		1856			No Flare Patrol											
		22	2029		2118			No Flare Patrol											
		22	2130		2226			No Flare Patrol											
		23	2104		2121			No Flare Patrol											
		23	2158		2211			No Flare Patrol											
		24	2208		2228			No Flare Patrol											
0048	CULG	25	0208	0213	0236	S11	E19		08	26.5	28	SF			C		40	.5	CDG
		29	2223		2236			No Flare Patrol											
		30	0242		0246			No Flare Patrol											
		30	0256		0306			No Flare Patrol											
		30	0325		0329			No Flare Patrol											

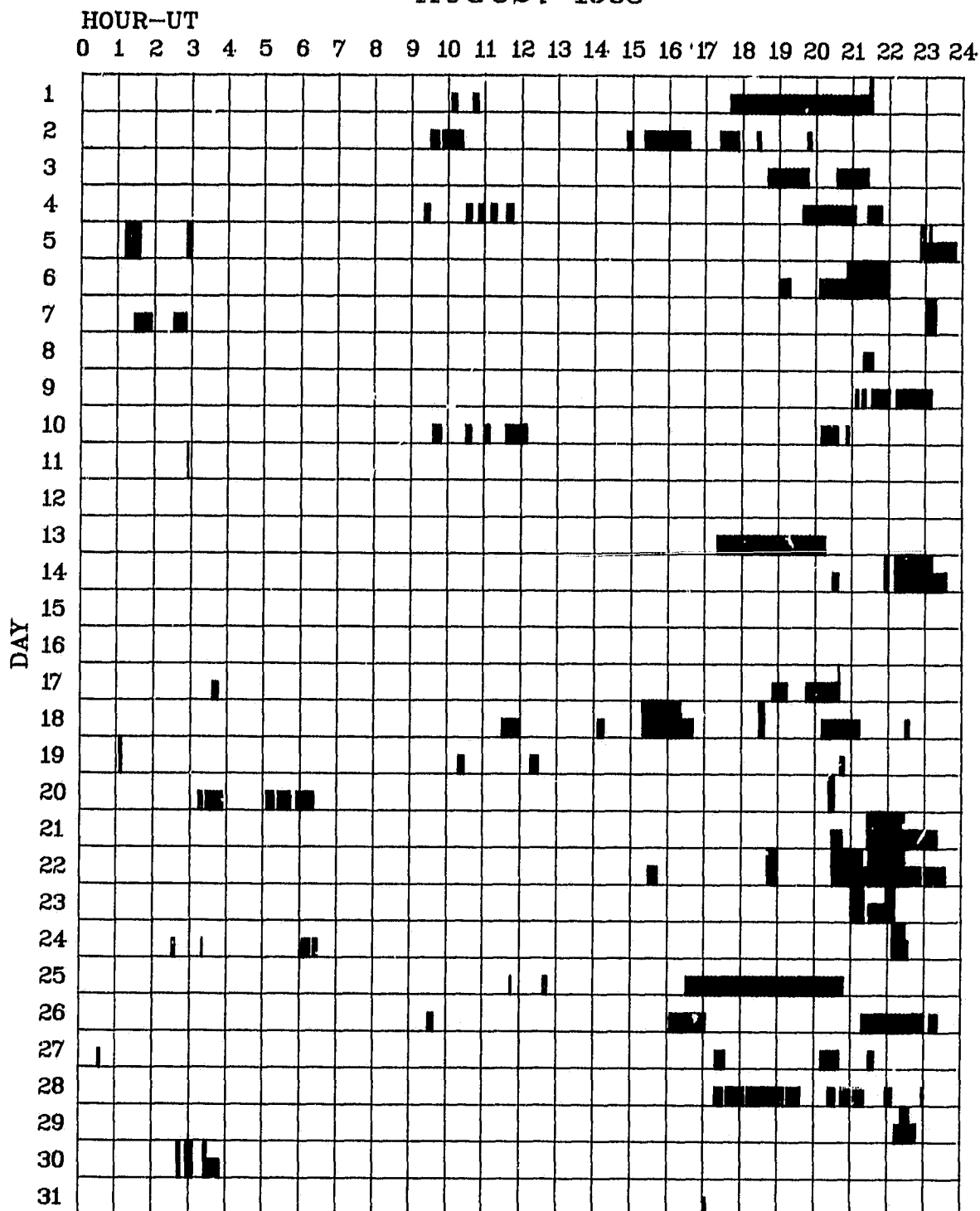
## "Remarks":

- |  |   |
|--|---|
| <p>A = Eruptive prominence whose base is less than 90° from central meridian.<br/>           B = Probably the end of a more important flare.<br/>           C = Invisible 10 minutes before.<br/>           D = Brilliant point.<br/>           E = Two or more brilliant points.<br/>           F = Several eruptive centers.<br/>           G = No visible spots in the neighborhood.<br/>           H = Flare accompanied by high-speed dark filament.<br/>           I = Active region very extended.<br/>           J = Distinct variations of plage intensity before or after the flare.<br/>           K = Several intensity maxima.<br/>           L = Existing filaments show signs of sudden activity.<br/>           M = White-light flare.<br/>           N = Continuous spectrum shows effects of polarization.</p> | <p>O = Observations have been made in the H and K lines of Ca II.<br/>           P = Flare shows helium D3 in emission.<br/>           Q = Flare shows Balmer continuum in emission.<br/>           R = Marked asymmetry in H-alpha line suggests ejection of high-velocity material.<br/>           S = Brightness follows disappearance of filament in same position.<br/>           T = Region active all day.<br/>           U = Two bright branches, parallel or converging.<br/>           V = Occurrence of an explosive phase: important, expansion within roughly 1 minute that often includes a significant intensity increase.<br/>           W = Great increase in area after time of maximum intensity.<br/>           X = Unusually wide H-alpha line.<br/>           Y = System of loop-type prominences.<br/>           Z = Major sunspot umbra covered by flare.</p> |
|--|---|

# INTERVALS OF NO FLARE PATROL OBSERVATION FOR PRECEDING SOLAR FLARE TABLE

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AUGUST 1985



Times of no flare patrol, shown here as shaded areas, combine reports from the observatories listed below. Portions of a panel completely shaded mark dates and times of no patrol of any kind, that is, of neither visual nor cinematographic; portions of a panel with only the bottom half shaded mark times of strictly visual patrol.

Abastumani  
Athens  
Bucharest  
Catania

Culgoora  
Haute Provence  
Holloman  
Istanbul

Kanzelhoehe  
Kharkov  
Learmonth  
Lvov

Manila  
Mitaka  
Palehua  
Peking

Purple Mt.  
Ramey  
Tashkent  
Voroshilov  
Wendelstein

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NUMBER OF SOLAR FLARES  
(From the Grouped Flare Listings)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1966								391	558	432	417	543
1967	796	589	1009	694	771	629	907	911	573	946	775	1109
1968	1037	773	519	460	768	697	573	611	616	772	556	640
1969	581	504	669	655	839	694	489	551	540	643	566	422
1970	466	646	578	688	722	836	954	780	811	797	687	667
1971	598	505	387	546	461	430	713	673	518	375	431	394
1972	384	599	621	361	614	541	404	515	371	408	175	210
1973	221	171	410	453	388	270	232	182	353	201	136	163
1974	127	148	79	364	255	204	360	187	270	366	153	81
1975	68	82	69	19	42	85	196	346	68	38	127	25
1976	69	18	180	60	38	48	6	47	57	23	13	55
1977	54	77	18	76	64	210	140	140	250	252	107	336
1978	274	588	338	526	330	460	533	346	554	499	418	648
1979	926	781	731	731	907	772	750	821	901	1018	888	786
1980	703	689	621	1092	811	956	763	720	924	988	1027	838
1981	578	782	914	915	658	592	893	982	680	836	773	615
1982	631	763	783	480	540	769	696*	753*	616*	545*	565*	749*
1983	332*	220*	337*	346*	609*	561*	427*	395*	289*	298*	88*	152*
1984	353*	461*	366*	440*	492*	185*	151*	161*	95*	36*	92*	69*
1985	104*	29*	38*	118*	126*	113*	177*	48*				

\* Preliminary

# SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

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AUGUST 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 <sup>-22</sup> W/m <sup>2</sup> Hz)	Mean (W/m <sup>2</sup> Hz)		
01	260	ONDR	43 NS	0832.5	0851.5	318.0	42.0			
	204	IZMI	5 S	0926.0	0926.1	.2	3.0	1.0		
	536	ONDR	8 S	1032.6	1032.6	.2	13.0			
02	260	ONDR	43 NS	0723.0	1143.5	500.0D	58.0			
	245	LEAR	43 NS	0724.0	0806.0	142.0D	26.0			QL=6 ST=2 TYP=1
	204	IZMI	43 NS	0750.0		250.0	10.0			
	245	SGMR	44 NS	0959.0E	1803.0	558.0D	54.0			QL=6 ST=3 TYP=1
	536	ONDR	2 S/F	1241.5	1241.8	.8	8.0			
03	260	ONDR	43 NS	0723.5	0734.0	39.0	7.0			
	200	HIRA	44 NS	1947.0E	2118.0	260.0D	6.0	2.0		WR
	260	ONDR	40 F	0913.0	0928.5	20.0	6.0			
	260	ONDR	40 F	1002.0	1004.0	2.5	11.0			
	33	UPIC	1 S	1617.3	1617.4	.3				
	29	UPIC	1 S	1617.4	1617.5	.3				
04	260	ONDR	8 S	0757.0	0757.0	.2	3.0			
	808	ONDR	40 F	0900.0		68.0U				
	260	ONDR	42 SER	0901.0	0903.5	67.0	48.0			
	536	ONDR	42 SER	0913.5	0913.5	7.5	14.0			
	33	UPIC	2 S/F	1429.0	1429.1	.4				
	29	UPIC	1 S	1429.3	1429.4	.3				
	33	UPIC	2 S/F	1714.3	1714.4	.3				
	29	UPIC	1 S	1714.5	1714.7	.4				
06	2800	OTTA	22 GRF	1824.0	1826.0	15.0	1.2	.6		
	2800	OTTA	21 GRF	2100.0	2116.0	30.0	1.4	.7		
	2800	OTTA	1 S	2108.0	2108.7	2.0	3.2	1.1		
07	2000	TYKW	45 C	0304.0	0310.1	12.0	4.0	1.0D		
	3750	TYKW	45 C	0308.0	0309.9	5.0	8.0	3.0		RAIN
	1000	TYKW	5 S	0309.0	0309.9	6.0	1.0	.3		
	500	HIRA	6 S	0309.3	0309.9	2.0	2.0	1.0		0
	2950	GORK	2 S/F	0312.5	0312.8	3.3	4.8			
	3750	TYKW	29 PBI	0313.0		12.0	1.5	.7		
	810	KRAK	41 F	0903.0	0907.0	17.5	20.0			
	260	ONDR	40 F	1055.0	1056.6	1.5	5.0			
	327	BORD	46 C	1448.8	1449.1	.9	100.0			2L
	408	BORD	J	1448.8	1449.3	.9	200.0			1L
	610	BORD	47 GB	1448.8	1449.3	.9				1L
	2800	OTTA	20 GRF	1450.0	1500.0	30.0	1.0	.5		
	237	BORD	47 GB	1545.2	1545.4	.5	1100.0			2L
	327	BORD	46 C	1545.2	1545.5	.5	100.0			2L
	2800	OTTA	240 R	1821.0	1822.5	1.5	0.8	.4		
08	500	HIRA	8 S	2238.4	2238.7	.7	2.0	1.0		0
	500	HIRA	8 S	0357.1	0357.2	.8	7.0	3.0		0
	2840	PEKG	45 C	0741.0	0745.4	11.0	20.0	9.8		
	9395	PEKG	45 C	0742.0	0745.3	5.0	14.5	8.4		
	1415	ATHN	4 S/F	0742.0	0744.0	5.0	5.0			QL=6 ST=2 TYP=3
	4995	ATHN	4 S/F	0742.0	0744.0	5.0	30.0			QL=6 ST=2 TYP=3
	2695	ATHN	4 S/F	0742.0	0745.0	6.0	30.0			QL=6 ST=2 TYP=3
	1470	POTS	2 S/F	0742.0	0745.0	6.0	5.0			
	3000	POTS	4 S/F	0742.0	0745.3	6.0	18.0			
	3100	CRIM	45 C	0742.5	0745.5	7.0	21.0	7.0		
	3100	CRIM		0742.5	0746.2		21.0			
	3750	TYKW	45 C	0743.0	0744.9	6.0	17.0	7.0		
	9400	TYKW	20 GRF	0743.0	0746.0	45.0	6.0	3.0		
	2000	TYKW	45 C	0743.0	0746.3	6.0	12.0	4.0		
	9500	POTS	20 GRF	0743.0	0744.9	45.0	8.0			
	2950	GORK	45 C	0743.0	0745.4	5.0	14.5			
	2950	GORK		0743.0	0746.2		13.3			
	260	ONDR	40 F	0743.5	0743.5	2.2	4.0			
	1000	TYKW	45 C	0743.5	0744.0	4.5	47.0	3.0		
	536	ONDR	40 F	0743.5	0744.0	1.5	20.0			
	808	ONDR	40 F	0743.5	0746.5	4.0				
	950	GORK	46 C	0743.9	0744.0	4.1	32.0			
	950	GORK		0743.9	0746.2		12.0			
	650	GORK	46 C	0744.0	0744.1	4.0	19.0			
	500	HIRA	8 S	0744.0	0744.4	.7	9.0	3.0		0

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Aug 85

# SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

AUGUST 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density		Int	Remarks
							Peak (10 -22	Mean W/m 2 Hz)		
08	9100	GORK	20	GRF	0744.0	0744.8	10.7	7.0		
	650	GORK			0744.0	0747.1		7.0		
	2695	LEAR	4	S/F	0744.3	0746.1	2.3	21.0		QL=6 ST=2 TYP=3
	4995	LEAR	8	S	0744.6	0744.8	.7	17.0		QL=6 ST=2 TYP=3
	100	GORK	46	C	0745.2	0745.4	1.5	50.00		
	100	GORK			0745.2	0745.5		30.0		
	200	GORK	2	S/F	0745.3	0745.5	.4	9.0		
	33	UPIC	45	C	0745.5	0745.7	2.3			
	29	UPIC	3	S	0745.6	0745.8	.6			
	3100	CRIM	29	PBI	0747.0	0747.0	98.0	5.0	2.0	
	2950	GORK	29	PBI	0748.0	0748.0	34.8	3.8		
	2000	TYKW	29	PBI	0749.0		40.0	1.0	.5	
	3750	TYKW	29	PBI	0749.0		40.0	2.0	1.0	
	3000	IZMI	5	S	0843.0	0845.0	7.0	21.0	10.0	
	2800	OTTA	20	GRF	1145.0	1325.0	255.0	2.2	1.1	
	237	BORD	45	C	1547.9	1548.0	.6	45.0		1L
	327	BORD	46	C	1547.9	1548.1	.6	80.0		1L
	408	BORD	46	C	1547.9	1548.2	.6	50.0		1L
09	610	BORD	47	GB	1547.9	1548.3	.6			
	200	HIRA	46	C	2330.3	2330.5	1.0	180.0	47.0	0
	2840	PEKG	1	S	0022.0	0023.4	4.0	8.9	4.3	
	200	HIRA	8	S	0131.3	0131.4	.3	94.0		0
	245	LEAR	47	GB	0131.5	0131.6	.5	72.0		QL=1 ST=2 TYP=5
	260	ONDR	8	S	0635.0	0635.0	.5	3.0		
	2950	GORK	1	S	0755.0	0755.2	.8	1.1	.5	
	260	ONDR	42	SER	1118.5	1120.0	4.0	36.0		
10	260	ONDR	46	C	1309.0	1309.0	.7	48.0		
	33	UPIC	8	S	1201.0	1201.3	.6			
11	29	UPIC	1	S	1201.4	1201.6	.4U			
	33	UPIC	45	C	1035.5	1035.7	1.5			
12	29	UPIC	45	C	1035.7	1036.0	1.1			
	260	ONDR	41	F	0910.0	0910.0	.3	10.0		
13	536	ONDR	8	S	1011.5	1011.7	.3	6.0		
	536	ONDR	8	S	1122.3	1122.3	.3	20.0		
14	536	ONDR	40	F	1046.8	1047.5	1.0	30.0		
	536	ONDR	42	SER	1120.0	1137.0	17.0	7.0		
15	536	ONDR	42	SER	1031.5	1212.5	101.0	59.0		
16	260	ONDR	40	F	0854.0	0856.5	3.0	5.0		
17	237	BORD	4	S/F	0842.5	0842.6	.1	50.0		1L
18	260	ONDR	43	NS	0908.0	0908.0	152.0	7.0		
	536	ONDR	42	SER	0908.0	0928.5	25.0	22.0		
19	536	ONDR	8	S	0801.0	0801.0	.1	7.0		
	260	ONDR	42	SER	0839.3	0839.5	10.0	3.0		
	536	ONDR	8	S	0906.0	0906.0	.1	18.0		
21	810	KRAK	46	C	1311.5	1320.0	10.0	100.0	20.0	
22	536	ONDR	8	S	1022.8	1022.9	.2	26.0		
	260	ONDR	41	F	1059.0	1109.5	10.5	1.0		
	536	ONDR	8	S	1102.5	1102.6	.2	12.0		
	260	ONDR	41	F	1151.0	1152.5	12.0	5.0		
	33	UPIC	2	S/F	1328.4	1328.6	.5			
	29	UPIC	1	S	1328.6	1328.7	.5U			
23	536	ONDR	8	S	1002.5	1002.5	.2	7.0		
	536	ONDR	8	S	1028.5	1028.5	.2	8.0		
	500	HIRA	8	S	2221.9	2222.0	.3	225.0		MR
24	260	ONDR	41	F	0813.5	0815.3	2.0	8.0		
	33	UPIC	3	S	0940.4	0940.5	.3			

# SOLAR RADIO EMISSION OUTSTANDING OCCURRENCES

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AUGUST 1985

Day	Freq	Sta	Type	Start (UT)	Time of Maximum (UT)	Duration (Min)	Flux Density Peak (10 <sup>-22</sup> W/m <sup>2</sup> Hz)	Mean (2 Hz)	Int	Remarks
24	29	UPIC	1 S	0940.6	0940.7	.3				
	100	HIRA	46 C	2300.0U	2332.0	55.0U	25.0	7.0U		ML
	200	HIRA	46 C	2320.2	2332.3	37.0	27.0	6.0		ML
25	536	ONDR	8 S	1046.5	1046.5	.2	34.0			
	536	ONDR	8 S	1131.5	1131.5	.2	32.0			
	536	ONDR	8 S	1207.0	1207.0	.2	7.0			
26	260	ONDR	41 F	1112.0	1113.5	2.5	2.5	24.0		
	1000	TYKW	45 C	2220.5	2221.1	1.5	54.0	10.0		
30	808	ONDR	8 S	1402.5	1403.0	.7				
	536	ONDR	8 S	1402.5	1403.0	1.0	15.0			
	260	ONDR	46 C	1403.0	1403.5	1.0	8.0			

Reports are received routinely from the following observatories:

ATHN = Athens	HUAN = Huancayo	NAGO = Nagoya	POTS = Potsdam
BERN = Berne	IRKU = Irkutsk	NOBE = Nobeyama	SAOP = Sao Paulo
BORD = Bordeaux	IZMI = IZMIRAN	ONDR = Ondrejov	SGMR = Sagamore Hill
CRIM = Crimea	KISV = Kislovodsk	OTTA = Ottawa	TORN = Torun
DWIN = Dwingeloo	KRAK = Krakow	PALE = Palenque	TYKW = Toyokawa
GORK = Gorky	LEAR = Learmonth	PEKG = Peking	TRST = Trieste
HIRA = Hiraiso	MANI = Manila	PENT = Penticton	UPIC = Upice

## Explanation of Type Code:

1 Simple 1	7 Minor +	24 Rise	30 Post Burst Increase A	43 Onset of Noise Storm
2 Simple 1F	8 Spike	25 Rise A	31 Post Burst Decrease	44 Noise Storm in Progress
3 Simple 2	20 Simple 3	26 Fall	33 Absorption	45 Complex
4 Simple 2F	21 Simple 3A	27 Rise and Fall	40 Fluctuation	46 Complex F
5 Simple	22 Simple 3F	28 Precursor	41 Group of Bursts	47 Great Burst
6 Minor	23 Simple 3AF	29 Post Burst Increase	42 Series of Bursts	48 Major
1A Simple 1A	4A Simple 2AF	24PF Post Rise F	27F Rise and Fall F	
3A Simple 2A	240 Rise only	16A Fall A	27AF Rise and Fall AF	
21A Simple 3A GRF	240F Rise only F	260 Fall Only	31A Post Burst Decrease A	
2A Simple 1AF	24P Post Rise	26F Fall F	32A Absorption A	
			46F Complex F	



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# GOES 6 X-RAYS

AUGUST 1985



# GOES 6 X-RAYS

AUGUST 1985

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Logarithmic Scale

$W/m^2$

-6

-7

-8

0000 UT 0400

0800

1200

1600

2000

2400

10

Logarithmic Scale

$W/m^2$

-6

-7

-8

0000 UT 0400

0800

1200

1600

2000

2400

11

08

3

Logarithmic Scale

$W/m^2$

-6

-7

-8

0000 UT 0400

0800

1200

1600

2000

2400

12

Logarithmic Scale

$W/m^2$

-6

-7

-8

0000 UT 0400

0800

1200

1600

2000

2400

13

09

3

Logarithmic Scale

$W/m^2$

-6

-7

-8

0000 UT 0400

0800

1200

1600

2000

2400

13

Logarithmic Scale

$W/m^2$

-6

-7

-8

0000 UT 0400

0800

1200

1600

2000

2400

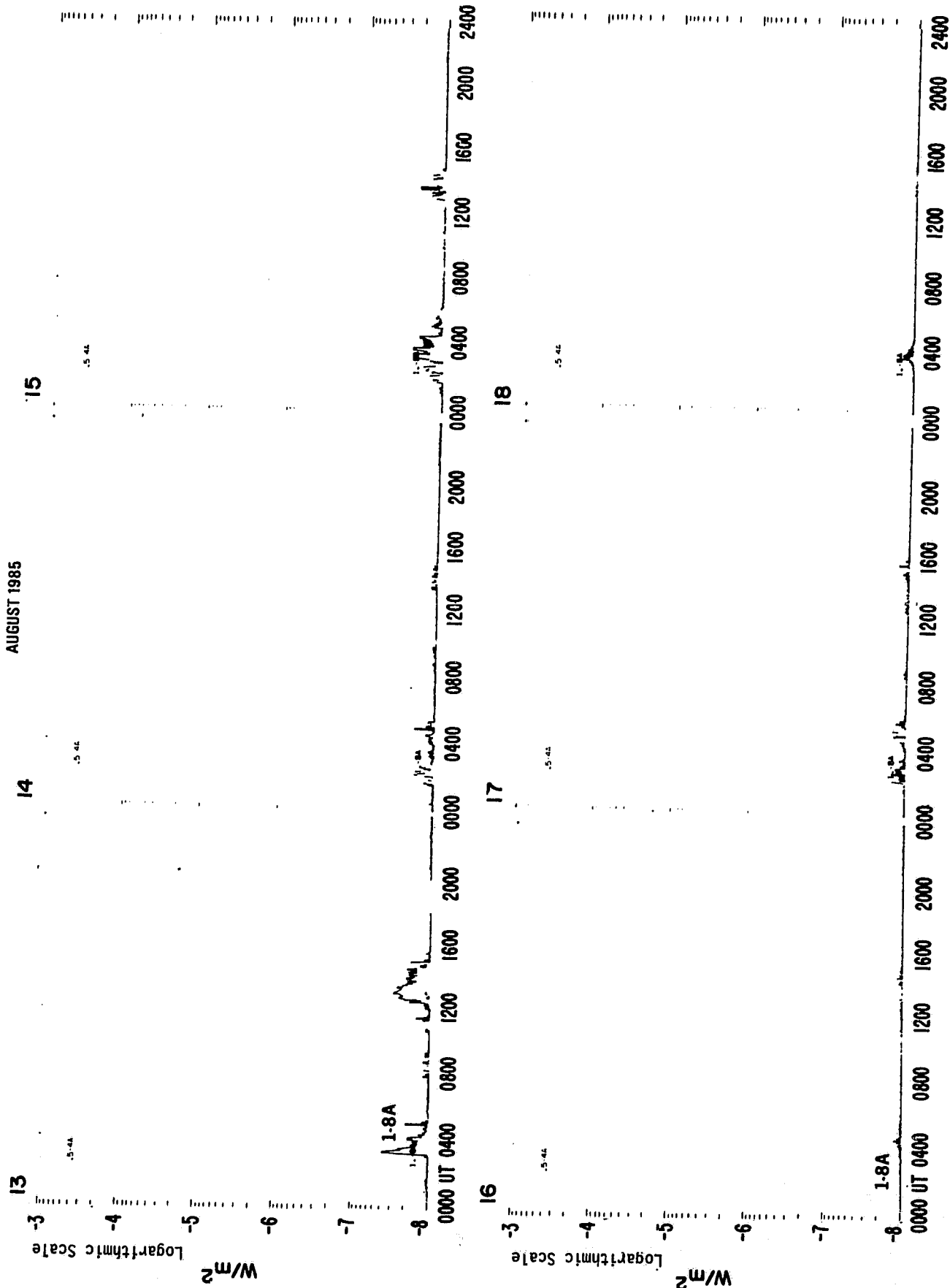
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Aug 85

14  
Aug 85

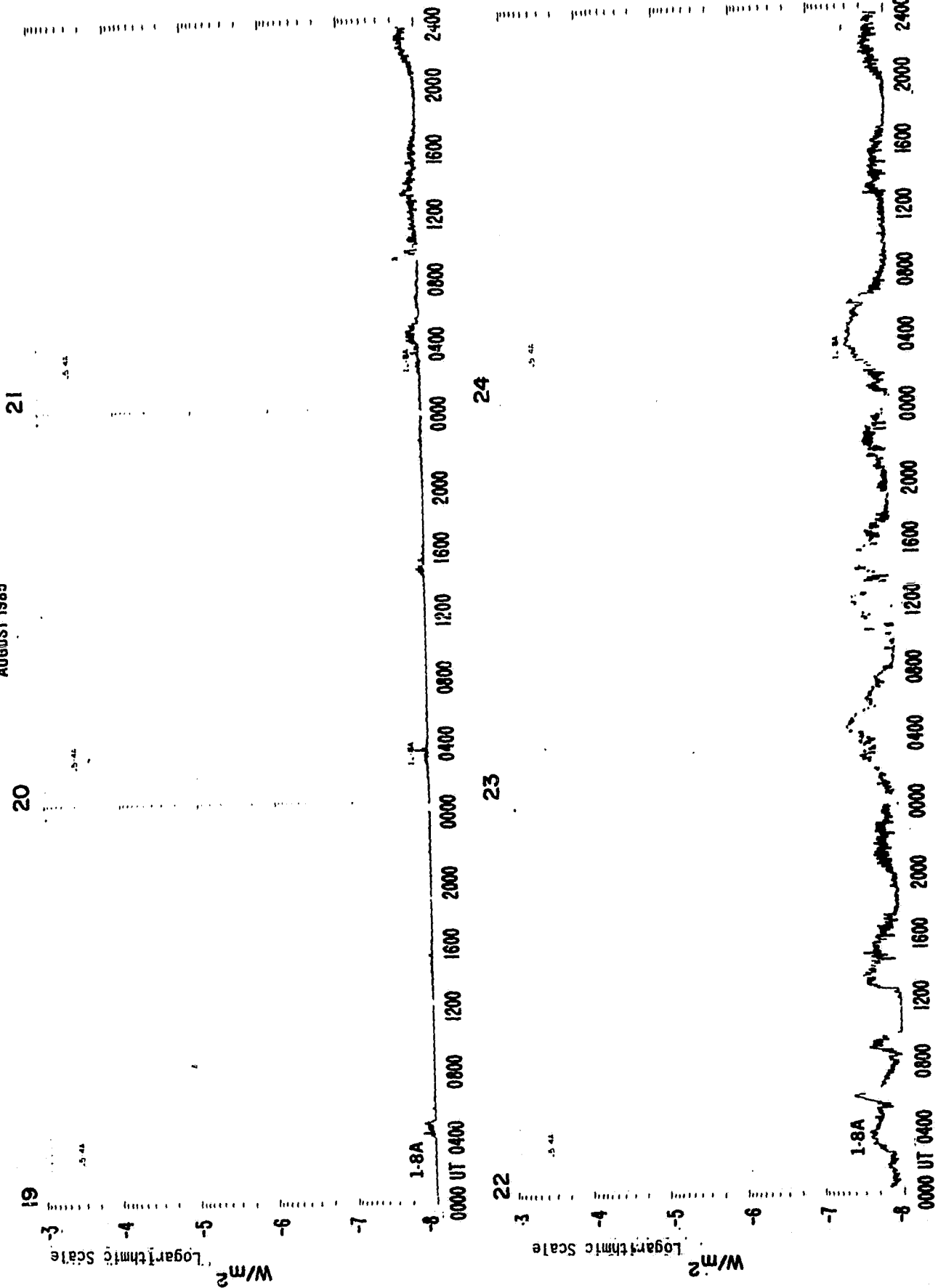
# GOES 6 X-RAYS

AUGUST 1985



# GOES 6 X-RAYS

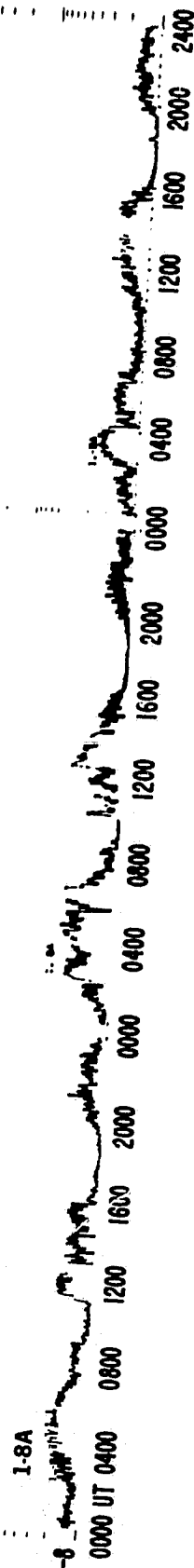
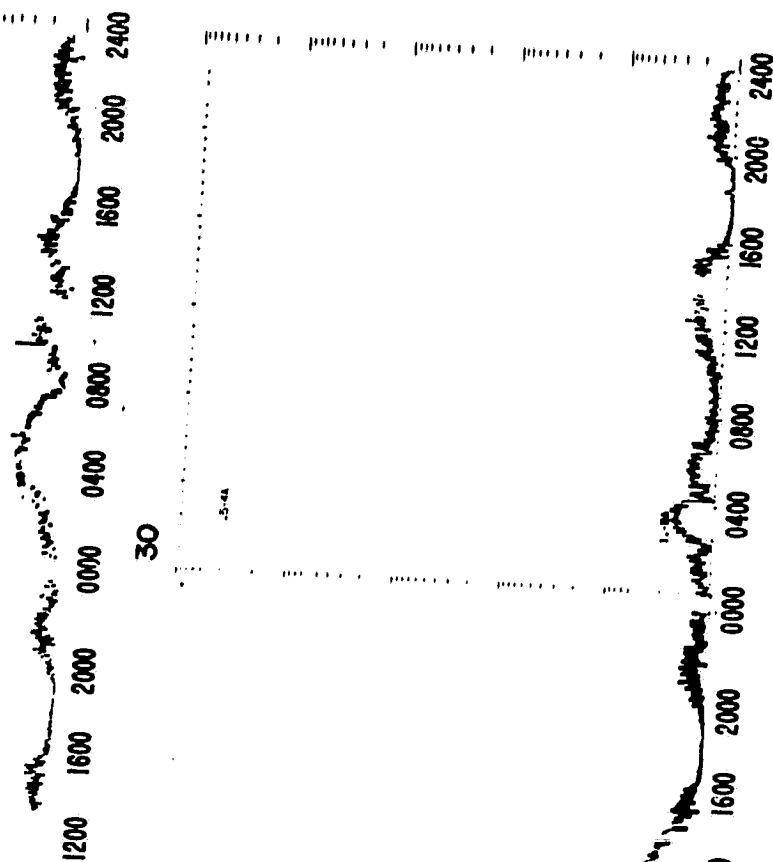
AUGUST 1985



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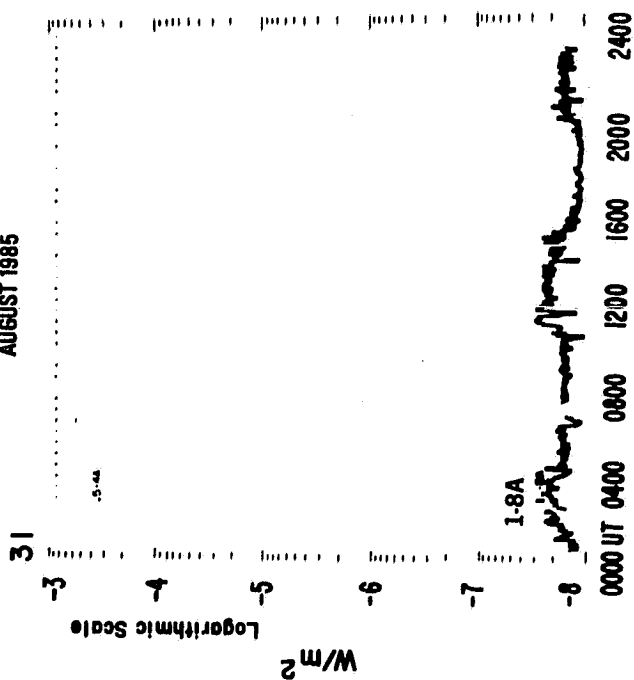
**GOES 6 X-RAYS**  
**AUGUST 1985**

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# GOES 6 X-RAYS

AUGUST 1985



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GOES SOLAR X-RAY FLARES  
\*\*Preliminary Listing\*\*

August 1985

Day	Start (UT)	Max (UT)	End (UT)	Lat	CMD	NOAA/ USAF Region	Imp Opt	Xray
01	0632	0638	0644					B1.1
01	2153	2158	2202					B1.2
02	2202	2208	2210					B1.1
06	0206	0231	0255					B4.1
06	1504	1505	1511	S16	W45	4682	SF	B2.2
06	1823	1828	1831					B2.1
06	2104	2110	2114			4682		B5.8
07	0310	0311	0317	S12	W53	4682	SF	B4.3
07	1305	1307	1316	S19	W52	4682	SF	B2.0
07	1453	1456	1503	S16	W58	4682	SF	B2.7
07	1818	1823	1857	S14	W61	4682	SF	B3.2
08	0618	0634	0642					B2.3
08	0744	0747	0800	S11	W69	4682	SN	C5.4
08	1016	1021	1025					B1.9
08	1546	1550	1553					B1.2
08	1750	1755	1801					B1.6
08	2327	2332	2334					B1.3
09	0122	0137	0143					B2.2
09	0217	0224	0229					B8.6
09	0753	0757	0801					B1.1
09	0826	0832	0839					B3.2
09	1120	1128	1133					B2.3
10	1511	1522	1534					B1.0

## MASS EJECTIONS FROM THE SUN

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Aug 85

AUGUST 1985

Sta	Day	Observed UT			Location		Freq or Wavelength	Kind of Event
		Start	Max	End	RA*	R/R <sub>0</sub>		
KHAR	Aug 06	1013	E	1110	D 076	1.00	H-alpha	S
KHAR	Aug 08	0913	E	0927	D 077	0.95	H-alpha	S
KHAR	Aug 08	1107	E	1126	D 224	1.00	H-alpha	S
KHAR	Aug 09	0750	E 0753 U	0800	D 096	0.76	H-alpha	S
KHAR	Aug 09	0816	E	0829	D 255	0.97	H-alpha	S
KHAR	Aug 09	0825	E 0835 U	0848	D 258	1.00	H-alpha	S
KHAR	Aug 09	1002	E	1025	D 258	1.00	H-alpha	S
KHAR	Aug 09	1015	E	1103	D 286	1.00	H-alpha	SP
KHAR	Aug 10	0640	E	0650	D 079	0.76	H-alpha	S
KHAR	Aug 10	0802	E 0806 U	0905	D 286	1.00	H-alpha	S
KHAR	Aug 10	0828	E	0840	D 094	0.60	H-alpha	S
KHAR	Aug 10	1015	E	1032	D 079	0.76	H-alpha	S
KHAR	Aug 10	1028	E	1055	D 098	0.65	H-alpha	S
KHAR	Aug 12	0933	E	1004	D 062	0.37	H-alpha	S
KHAR	Aug 16	0707	E	0718	D 139	1.00	H-alpha	S
KHAR	Aug 16	0905	E	0950	D 054	1.00	H-alpha	S

## QUALIFIERS ON START, MAX AND END TIMES

D = event ended after tabulated time  
 E = event began before the tabulated time  
 U = uncertain time

## REPORTING STATIONS

KHAR = Kharkov

## TYPE OF EVENT

A = eruptive active region prominence  
 CB = coronal cloud bubble  
 D = coronal depletions  
 E = coronal enhancement  
 EL = coronal expanding loop  
 II = Type II radio burst  
 IVm = moving Type IV radio burst  
 Q = eruptive quiescent prominence  
 R = coronal ray or streamer  
 S = flare-surge if there is a known flare association  
 SP = flare-spray if there is a known flare association  
 \* = movement may be caused by ionospheric refraction



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Aug 85

ACTIVE PROMINENCES AND FILAMENTS

AUGUST 1985

Type	Day	Observed UT Start End	Lat CMD	Imp	Type	Sta	Remarks
ADF	Aug 01	0000E 0716L	S27 E29	2	C	CULG	20 square degrees. B, .06 R, ENE.
BSD	Aug 01	0434 0449	N06 E16	1	C	CULG	
ADF	Aug 01	0600 1430	N13 E19		V	ATHN	
AFS	Aug 01	0600 1430	N05 E08		V	ATHN	
ADF	Aug 01	0600 1430	S02 E08		V	ATHN	
ADF	Aug 01	0600 1430	S21 E24		V	ATHN	
BSL	Aug 01	0705 0705D	S71 E90	1-	C	CATA	
BSL	Aug 01	1040 1040D	N37 W90	1-	C	CATA	
BSL	Aug 01	1135 1140	N88 W90	1-	C	CATA	
ADF	Aug 01	2251 0030	S28 E17	2	C	CULG	23 square degrees, partial eruption and reformation.
BSL	Aug 02	0715E 0720D	S23 W90	1-	C	CATA	
BSL	Aug 02	0730E 0750	N63 E90	1-	C	CATA	
ADF	Aug 02	0745 1422	S20 E15		V	ATHN	
BSL	Aug 02	0900 0905D	S61 E90	1-	C	CATA	
APR	Aug 02	1000 1422	N20 E90		V	ATHN	
ADF	Aug 02	2220 0721D	S33 E05	2	C	CULG	30 square degrees.
BSL	Aug 03	0705 0715	S06 W90	1-	C	CATA	
BSL	Aug 03	0830 0850	S79 E90	1-	C	CATA	
BSL	Aug 03	0840 0900	S55 E90	1-	C	CATA	
BSL	Aug 03	0905 0915	N72 W90	1-	C	CATA	
BSL	Aug 03	0940 0945	N84 W90	1-	C	CATA	
BSL	Aug 03	0940 0955	N08 E90	1-	C	CATA	
BSL	Aug 03	1115E 1130	N43 E90	1-	C	CATA	
APR	Aug 04	0500 0510	N13 W90		V	ATHN	
ADF	Aug 04	0500 0510	N13 W15		V	ATHN	
ADF	Aug 04	0500 1400	N04 W33		V	ATHN	
ADF	Aug 04	0500 0510	S13 E17		V	ATHN	
ADF	Aug 04	0500 0510	S08 W24		V	ATHN	
APR	Aug 04	0500 0510	S20 E90		V	ATHN	
BSL	Aug 04	0740 0750	S78 E90	1-	C	CATA	
BSL	Aug 04	0740 0750	S85 E90	1-	C	CATA	
BSL	Aug 04	0745 0750	S57 E90	1-	C	CATA	
BSL	Aug 04	0830 0835D	N77 W90	1-	C	CATA	
BSL	Aug 04	0830 0835D	N67 E90	1-	C	CATA	
BSL	Aug 04	0900 0920	S87 E90	1-	C	CATA	
BSL	Aug 04	1100E 1120	N82 E90	1-	C	CATA	
BSL	Aug 04	1100E 1135D	N47 E90	1-	C	CATA	
SDF	Aug 04	1135E 0625D	S37 W21	1	C	CATA	
SDF	Aug 04	1135E 0625D	S02 W38	1	C	CATA	
APR	Aug 05	0545 1445	N08 E90		V	ATHN	
APR	Aug 05	0545 1445	S15 W90		V	ATHN	
ADF	Aug 05	0545 1445	N22 W43		V	ATHN	
ADF	Aug 05	0545 1445	N14 W35		V	ATHN	
ADF	Aug 05	0545 1100	S14 W34		V	ATHN	
DSF	Aug 05	0545 1445	S20 W38		V	ATHN	
ADF	Aug 05	0715 1445	S10 E01		V	ATHN	
BSL	Aug 05	0815 0825	S59 E90	1-	C	CATA	
BSL	Aug 05	0820 0835	S78 E90	1-	C	CATA	
BSL	Aug 05	0955 1025D	N75 E90	1-	C	CATA	
BSL	Aug 05	1015 1025	N89 E90	1-	C	CATA	
DSF	Aug 05	1100 1100	S41 W31		V	ATHN	
APR	Aug 06	0645 1410	N11 E90		V	ATHN	
BSL	Aug 06	0705E 0720D	N82 E90	1-	C	CATA	
ADF	Aug 06	0710 1410	S17 W41		V	ATHN	
ADF	Aug 06	0710 1410	N08 W58		V	ATHN	
APR	Aug 06	0750 1410	N09 E90		V	ATHN	
BSL	Aug 06	0850 0855	N10 W90	1-	C	CATA	
BSL	Aug 06	0855 0905	S74 W90	1-	C	CATA	
BSL	Aug 06	0855 0910	S84 W90	1-	C	CATA	
BSL	Aug 06	0905 0915	S61 W90	1	C	CATA	
BSL	Aug 06	0940 0945	N63 E90	1-	C	CATA	
BSL	Aug 06	0945 0950D	N85 W90	1-	C	CATA	
BSL	Aug 06	0945 0950	N80 W90	1-	C	CATA	

## ACTIVE PROMINENCES AND FILAMENTS

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Aug 85

AUGUST 1985

Type	Day	Observed UT		Lat	CMD	Imp	Type	Sta	Remarks
		Start	End						
ADF	Aug 07	0740	1330	S17	W52		V	ATHN	
BSL	Aug 07	0940	0940D	N71	W90	1-	C	CATA	
APR	Aug 07	0945	1330	N02	W90		V	ATHN	
ADF	Aug 08	0545	1400	S16	W66		V	ATHN	
APR	Aug 08	0545	1400	S02	W90		V	ATHN	
APR	Aug 08	0545	1147	N17	W90		V	ATHN	
BSL	Aug 08	0840E	0940	S39	W90	1	C	CATA	
APR	Aug 08	0930	1400	S30	W90		V	ATHN	
BSL	Aug 08	1040E	1145D	S39	W90	2	C	CATA	
BSL	Aug 08	1055	1140	S47	W90	1-	C	CATA	
APR	Aug 08	1255	1400	S60	W90		V	ATHN	
ADF	Aug 09	0506	0415	S37	W24	3	C	CULG	Overnight, 10 degree segment.
ADF	Aug 09	0506	0415	N11	W56	3	C	CULG	Overnight, 6 square degree segment.
APR	Aug 09	0615	1300	N50	W90		V	ATHN	
APR	Aug 09	0615	1300	S12	W90		V	ATHN	
ADF	Aug 09	0615	1300	N55	E08		V	ATHN	
ADF	Aug 09	0615	1300	S10	W58		V	ATHN	
AFS	Aug 09	0615	1300	S02	E50		V	ATHN	
BSL	Aug 09	0700	0730	N55	E90	1-	C	CATA	
ADF	Aug 09	0710	1300	N23	E35		V	ATHN	
APR	Aug 09	0730	1300	S48	W90		V	ATHN	
APR	Aug 09	0740	1300	N08	W90		V	ATHN	
BSL	Aug 09	1015	1025	S41	E90	1-	C	CATA	
BSL	Aug 09	1105	1115	N85	W90	1-	C	CATA	
AFS	Aug 10	0550	1350	S01	E37		V	ATHN	
BSL	Aug 10	0640E	0645	N07	E90	1-	C	CATA	
BSL	Aug 10	0700	0710	N18	E90	1-	C	CATA	
APR	Aug 10	0715	1350	S14	W90		V	ATHN	
BSL	Aug 10	0745E	0755	S45	E90	1-	C	CATA	
BSL	Aug 10	0745E	0805	S88	E90	1	C	CATA	
BSL	Aug 10	0835	0855	S86	W90	1-	C	CATA	
BSL	Aug 10	0950E	1005	S15	W90	1-	C	CATA	
BSL	Aug 10	1130	1135D	N01	E90	1-	C	CATA	
BSL	Aug 11	0745	0755	S50	W90	1-	C	CATA	
BSL	Aug 11	0835	0845	N78	E90	1-	C	CATA	
BSL	Aug 11	0925	0930	S66	W90	1-	C	CATA	
APR	Aug 12	0615	1400	S05	E90		V	ATHN	
APR	Aug 12	0615	1400	S15	E90		V	ATHN	
ASR	Aug 12	0615	0950	N08	W90		V	ATHN	
BSL	Aug 12	0620E	0630	S89	W90	1-	C	CATA	
BSL	Aug 12	0720	0730	N05	W90	1-	C	CATA	
BSL	Aug 12	0840	0855	N44	W90	1-	C	CATA	
DSO	Aug 12	0930	1100	N09	E15		V	ATHN	
AFS	Aug 12	0930	1400	S02	E08		V	ATHN	
BSL	Aug 12	0945	0955	N56	E90	1-	C	CATA	
BSL	Aug 12	0945	0950	N06	W90	1-	C	CATA	
BSL	Aug 12	0950	1000	S02	W90	1-	C	CATA	
BSL	Aug 12	1020	1025	N78	E90	1-	C	CATA	
APR	Aug 12	1100	1400	S16	W90		V	ATHN	
APR	Aug 13	0630	1400	S20	W90		V	ATHN	
APR	Aug 13	0630	1400	S35	E90		V	ATHN	
BSL	Aug 13	0630	0640D	S18	E90	1-	C	CATA	
BSL	Aug 13	0900	0905	N65	W90	1-	C	CATA	
EPL	Aug 13	1045E	1105D	S04	E90	1-	C	CATA	
APR	Aug 13	2057E	2316	S23	W90	1	C	CULG	9 degrees and .07 R.
ADF	Aug 14	0020U	0642D	S01	W17	2	C	CULG	
BSL	Aug 14	0700E	0720	N32	W90	1-	C	CATA	
APR	Aug 14	0900	1300	S37	W90		V	ATHN	
BSL	Aug 14	0925	0935	S81	E90	1-	C	CATA	
BSL	Aug 14	0925	0940	S82	W90	1-	C	CATA	
BSL	Aug 14	0930	0940	S89	W90	1-	C	CATA	
SDF	Aug 14	0950E	0545D	N01	W44	1	C	CATA	
SDF	Aug 14	0950E	0545D	N38	W57	2	C	CATA	

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ACTIVE FROMINENCES AND FILAMENTS

AUGUST 1985

Type	Day	Observed UT Start End	Lat CMD	Imp	Type	Sta	Remarks
BSL	Aug 15	0600 0610	N62 W90	1-	C	CATA	
BSL	Aug 15	0740 0755	N67 E90	1-	C	CATA	
BSL	Aug 15	0740 0755	S44 E90	1-	C	CATA	
BSL	Aug 15	1005 1015	S20 E90	1-	C	CATA	
APR	Aug 16	0700 1400	N15 E90		V	ATHN	
BSL	Aug 16	0847 0900D	N55 W90	1-	C	CATA	
BSL	Aug 16	0940 0950	S54 E90	1-	C	CATA	
BSL	Aug 18	0535 0540	N89 W90	1-	C	CATA	
BSL	Aug 18	0710 0720	N83 W90	1-	C	CATA	
BSL	Aug 18	0835 0855	S70 E90	1	C	CATA	
BSL	Aug 18	1115 1130D	S74 E90	1-	C	CATA	
APR	Aug 19	0745 1430	N06 W90		V	ATHN	
AFS	Aug 19	0745 1430	N10 E19		V	ATHN	
AFS	Aug 19	0745 1430	S10 W31		V	ATHN	
ADF	Aug 19	0745 1430	S10 E06		V	ATHN	
ADF	Aug 19	0745 1430	S15 E20		V	ATHN	
BSL	Aug 19	0855 0910	S72 E90	1-	C	CATA	
BSL	Aug 19	0855 0910	S87 E90	1-	C	CATA	
BSL	Aug 19	0910 0925	N58 W90	1-	C	CATA	
BSL	Aug 19	1035 1055	S68 W90	1-	C	CATA	
BSL	Aug 19	1105 1120	N26 W90	1-	C	CATA	
SDF	Aug 19	1145E 0630D	N18 E58	1	C	CATA	
SDF	Aug 19	1145E 0630D	N16 E47	1	C	CATA	
ADF	Aug 20	0152E 0642D	S11 E17	2	C	CULG	7 degree arc breaks in two.
APR	Aug 20	0545 1315	S15 W90		V	ATHN	
ADF	Aug 20	0605 1315	S17 W47		V	ATHN	
ADF	Aug 20	0615 1315	S10 E10		V	ATHN	
BSL	Aug 20	0645 0655	S70 E90	1-	C	CATA	
APR	Aug 20	0725 1315	N33 E90		V	ATHN	
BSL	Aug 20	0745 0805	S38 E90	1-	C	CATA	
BSL	Aug 20	0800 0805	S66 W90	1-	C	CATA	
BSL	Aug 20	0855 0940	S45 E90	1	C	CATA	
APR	Aug 20	0905 0930	S43 E90		V	ATHN	
BSL	Aug 20	1020 1030	S40 W90	1-	C	CATA	
APR	Aug 21	0600 1430	N33 E90		V	ATHN	
APR	Aug 21	0733 1430	S22 E90		V	ATHN	
BSL	Aug 21	0800 0810	S64 W90	1-	C	CATA	
ASR	Aug 22	0715 0945	N03 E90		V	ATHN	
BSL	Aug 22	0715 0735	N04 E90	1-	C	CATA	
BSL	Aug 22	0950 1010	N54 W90	1-	C	CATA	
BSL	Aug 22	0955 1005	S49 E90	1-	C	CATA	
BSL	Aug 23	0635 0645	S42 W90	1-	C	CATA	
BSL	Aug 23	0710 0735	S19 E90	1-	C	CATA	
BSL	Aug 23	0715 0725	S15 E90	1-	C	CATA	
BSL	Aug 23	0730 0755	S07 W90	1-	C	CATA	
APR	Aug 24	0630 1430	S32 E90		V	ATHN	
ADF	Aug 24	0745 1430	N06 E60		V	ATHN	
BSL	Aug 24	0805 0810	S12 E90	1-	C	CATA	
BSL	Aug 24	0815 0830	N40 W90	1-	C	CATA	
BSL	Aug 24	0815 0830	N49 W90	1-	C	CATA	
BSL	Aug 24	0950 0955	N54 W90	1-	C	CATA	
APR	Aug 25	0655 1300	S40 E90		V	ATHN	
BSL	Aug 25	1035 1045	N68 E90	1-	C	CATA	
BSL	Aug 25	1040 1043	S63 W90	1-	C	CATA	
BSL	Aug 25	1043 1050	N87 W90	1-	C	CATA	
BSL	Aug 25	1055 1105	N52 E90	1-	C	CATA	
BSL	Aug 25	1115 1130	N37 E90	1-	C	CATA	
APR	Aug 26	0730 1400	N02 W90		V	ATHN	
APR	Aug 26	0745 1400	S05 E90		V	ATHN	
BSL	Aug 26	0900 0915	S32 E90	1-	C	CATA	
BSL	Aug 26	1100 1110	N77 W90	1-	C	CATA	
SDF	Aug 26	1145E 0635D	S01 E20	1	C	CATA	

## ACTIVE PROMINENCES AND FILAMENTS

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Aug 85

AUGUST 1985

Type	Day	Observed UT		Lat	CMD	Imp	Type	Sta	Remarks
APR	Aug 27	0733	1345	S30	E90		V	ATHN	
SDF	Aug 27	1100E	0630D	S21	E19	1	C	CATA	
SDF	Aug 27	1100E	0630D	S19	E09	1	C	CATA	
SDF	Aug 27	1100E	0630D	S41	E24	1	C	CATA	
ASR	Aug 28	0620	1500	S41	E90		V	ATHN	
APR	Aug 28	0620	1500	S30	E90		V	ATHN	
ADF	Aug 28	0740	1500	S12	E30		V	ATHN	
BSL	Aug 28	0825	0830D	N80	W90	1-	C	CATA	
BSL	Aug 28	0845E	0905	N54	E90	1-	C	CATA	
ADF	Aug 28	2335E	0558D	S20	E26	1	C	CULG	23 degrees.
ADF	Aug 29	0744	1430	S01	W05		V	ATHN	
BSL	Aug 29	1000E	1020D	S23	W90	1-	C	CATA	
ASR	Aug 29	1005	1140	S25	W90		V	ATHN	
ASR	Aug 30	0626	0640	N05	E90		V	ATHN	
BSL	Aug 30	0630E	0635	N05	E90	1-	C	CATA	
ADF	Aug 30	0650	1400	S12	E02		V	ATHN	
ADF	Aug 30	0650	1400	S01	W12		V	ATHN	
BSL	Aug 30	0655	0700	N22	W90	1-	C	CATA	
BSL	Aug 30	0850	0900	N78	W90	1-	C	CATA	
APR	Aug 31	0711	1330	S30	W90		V	ATHN	
APR	Aug 31	0722	1330	S45	W90		V	ATHN	
BSL	Aug 31	0735	0740	N21	W90	1-	C	CATA	
BSL	Aug 31	0820	0830	S36	E90	1-	C	CATA	
BSL	Aug 31	1130E	1130D	S67	E90	1-	C	CATA	

BSL = Bright surge at limb.

ADF = Active dark filament.

AFS = Active filament system.

APR = Active prominence region at limb.

ASR = Active surge region.

DSD = Dark surge on disk.

EPL = Eruptive prominence at limb.

SDF = Sudden disappearance of filament.

ATHN = Athens

BUCA = Bucharest

CATA = Catania

CULG = Culgoora

KODA = Kodakanal

MANI = Manila

WEND = Wendelstein

For more detail and information about Remarks, see SGD Supplement.

C O N T E N T S

Comprehensive Reports

MISCELLANEOUS DATA

Number 498 Part II

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Misc  
Jun 85

# CARTE SYNOPTIQUE

## ACTIVE REGIONS CARRINGTON ROTATION 1762

(13 May to 10 June 1985)

Region No.	Coordinates Lat. Long.	Imp	Age at CMP (Days)	Spotless Region	Region No. in Rotation 1761	Activity at West Limb
1	6°N 348	2	>6			decreasing
2	1°N 316	1	>6	X		dispersed
3	10°N 315	1	>6	X		disappeared
4	4°S 311	1	>6	X		disappeared
5	6°S 257	3	>6			decreasing
6	7°N 239	3	>6			decreasing
7	7°N 236	1	>6	X		decreasing
8	3°N 184	1	-2	X		decreasing
9	20°S 121	2	-4			decreasing
10	5°N 99	1	>6	X		dispersed
11	6°N 63	1	+6	X		disappeared
12	6°S 13	1	>6	X		decreasing
13	11°S 12	2	-4			decreasing
14	10°S 8	3	0			decreasing

## CARRINGTON ROTATION 1763 (10 June to 7 July 1985)

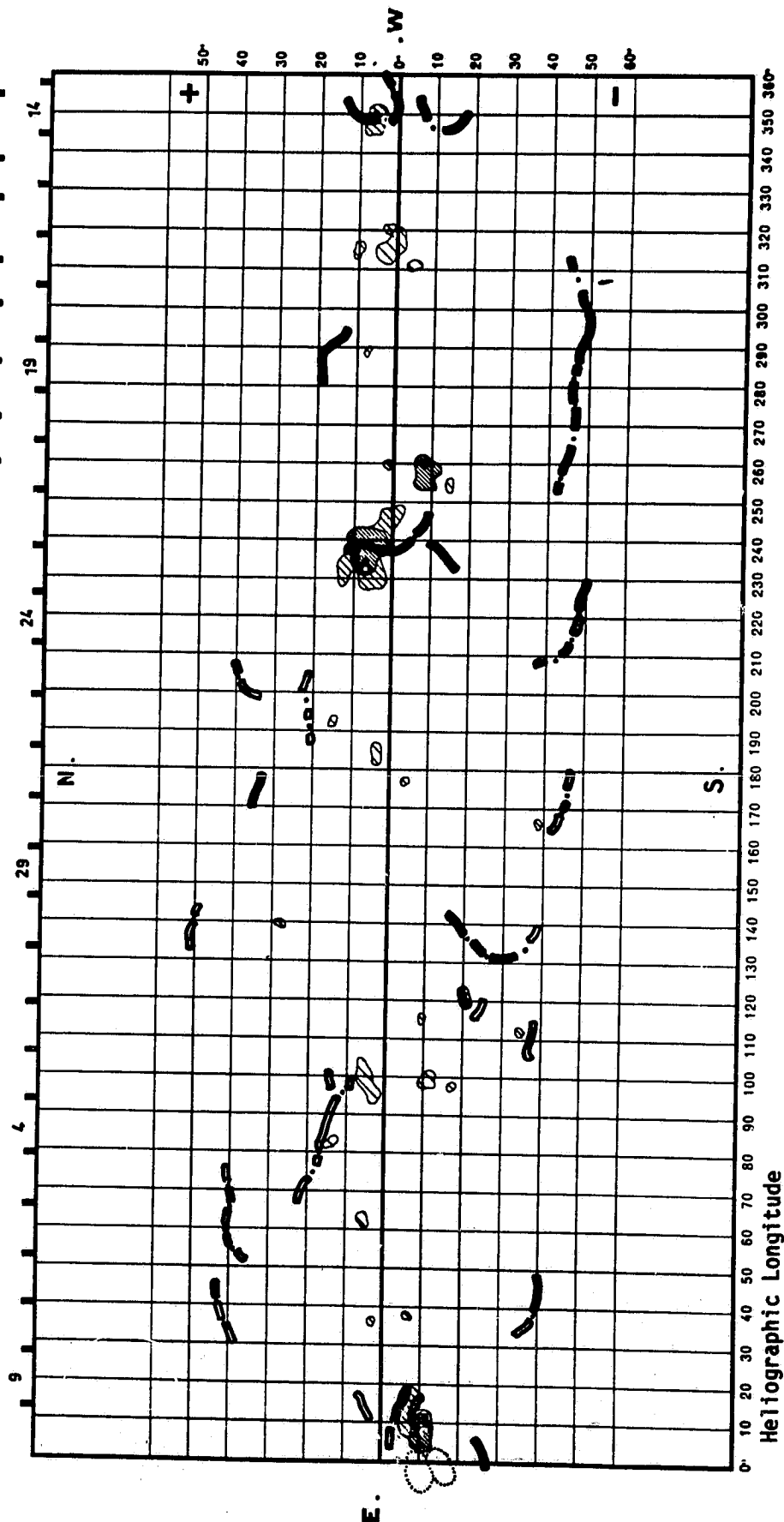
1	15°S 359	3	>6			decreasing
2	9°S 358	3	>6			decreasing
3	6°N 353	1	-3	X		decreasing
4	9°N 326	1	>6	X		dispersed
5	0 325	3	>6			decreasing
6	11°N 312	1	+4	X		disappeared
7	0 305	2	>6			dispersed
8	10°S 260	1	+4	X		decreasing
9	8°N 247	1	>6	X		decreasing
10	5°N 245	1	>6	X		dispersed
11	15°S 158	2	+2			decreasing
12	9°S 123	1	-4	X		stable
13	7°S 119	1	-2	X		dispersed
14	5°N 44	1	+2	X		disappeared
15	7°S 27	3	>6			decreasing
16	13°S 21	1	>6	X		decreasing
17	8°S 13	4	-1			decreasing
18	5°N 8	1	-3	X		dispersed
19	4°S 6	1	+4	X		disappeared
20	14°S 3	2	-1			stable
21	13°S 0	3	>6			decreasing
22	19°S 0	4	>6			stable

# CARTE SYNOPTIQUE

CARRINGTON ROTATION NUMBER 1762  
(May 13 to June 10, 1985)

Meudon Observatory

May 1985



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Misc  
May 85

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Misc  
Jun 85

# CARTE SYNOPTIQUE

CARRINGTON ROTATION NUMBER 1763  
(June 10 to July 7, 1985)

Meudon Observatory

June 1985

